

INTERNATIONAL SEARCH REPORT

PCT/IB2004/000436

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01D34/41

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 4 054 992 A (BALLAS GEORGE C ET AL) 25 October 1977 (1977-10-25) column 10, line 29 - line 61 figures 4-6	1-5, 9-11, 13 6-8, 12
Y	US 6 161 292 A (MORABIT VINCENT D ET AL) 19 December 2000 (2000-12-19) column 9, line 38 - line 39 figures 3C, 9C	6-8
Y	US 6 401 344 B1 (GRAVES DAVID ROLAND ET AL) 11 June 2002 (2002-06-11) figure 11	12
	--- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

1 July 2004

Date of mailing of the international search report

16/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Baltanás y Jorge, R

INTERNATIONAL SEARCH REPORT

PCT/IB2004/000436

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of documents and indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 362 007 A (KENNEDY MERRILL V ET AL) 7 December 1982 (1982-12-07) column 3, line 23 -column 4, line 2 figure 11 -----	1-5,9,13
A	AU 502 953 B (WEED EATER) 16 August 1979 (1979-08-16) page 15 figures 7-10 -----	1-5, 9-11,13

INTERNATIONAL SEARCH REPORT

PCT/IB 04/00436

Patent document cited in search report		Publication date	Patent family member		Publication date
US 4054992	A	25-10-1977	NONE		
US 6161292	A	19-12-2000	US	5996233 A	07-12-1999
			US	5761816 A	09-06-1998
			US	6176015 B1	23-01-2001
US 6401344	B1	11-06-2002	NONE		
US 4362007	A	07-12-1982	NONE		
AU 502953	B	16-08-1979	AU	502953 B2	16-08-1979
			AU	2834077 A	08-03-1979